



water

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747

tel 631.756.8000
fax 631.694.4122

April 18, 2016

Regional Administrator Judith A. Enck
US Environmental Protection Agency - Region 2
290 Broadway
New York, New York 10007-1866

**Re: Hicksville Water District
Plant No. 4 – Newbridge Road
Volatile Organic Compound Detections
H2M Project No: HKWD 16-04**

Dear Regional Administrator Enck:

We are writing to you on behalf of the Hicksville Water District (District) to express our concerns with detections of volatile organic compounds (VOCs) in Hicksville Water District Well No. 4-2 (NYSDEC No. N-08526). The Hicksville Water District, located in Long Island, NY, supplies potable water to its 48,000 customers by means of groundwater wells. The District's Well No. 4-2, located on Newbridge Road in Hicksville, NY, was originally constructed in 1969 to a depth of 600 feet below ground with an authorized capacity of 1,400 GPM. This well provided a clean source of water for approximately twenty years until trichloroethene (TCE) and tetrachloroethene (PCE) were detected in the well product. In 1991, two granular activated carbon (GAC) vessels were installed to treat the TCE and PCE. VOC levels continued to rise as new contaminants were detected. In 1995, the GAC vessels were abandoned and an air stripping tower was constructed to treat the VOC's. The first known detection of 1,4 dioxane occurred in 2013 at a concentration of 34 µg/l. 1,4 dioxane was detected twice in March 2016 at concentrations of 30 and 34 µg/l.

We are requesting any information that the EPA may have regarding any potential sources of VOCs, including 1,4 dioxane, upgradient of the well. Figure 1 shows the location of Plant No. 4. Well No. 4-2 is in the vicinity of several industrial sites in the area which feasibly may have impacted this well. It is possible that one or more of these sites are sources affecting the groundwater quality and therefore we are requesting any information on known spills or investigations whether active or closed. If there is no information available, we respectfully request that the EPA investigate the area upgradient of this well for potential sources of this pollution.

Should you have any questions or concerns, please contact our office.

Very truly yours,

H2M architects + engineers



John R. Collins, P.E.

JRC:ws

Enclosures

cc: Board of Commissioners
Supt. Anthony Iannone
Joseph Frank, Esq.
Basil Seggos - NYSDEC Acting Commissioner
Carrie M. Gallagher – NYSDEC Region 1 Regional Director

U.S. EPA REGION 2
CORRESPONDENCE CONTROL
OFFICE

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architects
+
engineers

H 2 M

Key Map

FIG 1

DATE:
APR 2016

SHEET #

HKWD 1604

Hicksville Water District

Plant No. 4 VOC Upgrades

CLIENT



architects + engineers

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April 18, 2016

Mr. Brian Schneider
Nassau County Department of Public Works
1194 Prospect Ave.
Westbury, NY 11590-2723

**Re: Hicksville Water District
Plant No. 4 – Newbridge Road
Volatile Organic Compound Detections
HKWD 16-04**

Dear Mr. Schneider:

We are writing to you on behalf of the Hicksville Water District (District) to express our concerns with detections of volatile organic compounds (VOCs) in Hicksville Water District Well No. 4-2 (NYSDEC No. N-08526). The Hicksville Water District, located in Long Island, NY, supplies potable water to its 48,000 customers by means of groundwater wells. This well provided a clean source of water for approximately twenty years until trichloroethene (TCE) and tetrachloroethene (PCE) were detected in the well product. In 1991, two granular activated carbon (GAC) vessels were installed to treat the TCE and PCE. VOC levels continued to rise as new contaminants were detected. In 1995, the GAC vessels were abandoned and an air stripping tower was constructed to treat the VOC's. The first known detection of 1,4 dioxane occurred in 2013 at a concentration of 34 µg/l. 1,4 dioxane was detected twice in March 2016 at concentrations of 30 and 34 µg/l.

Remediation of Well No. 4-2 is an active project and we are requesting any information that the Nassau County Department of Public Works may have, including monitoring well data within a mile radius of the well. Figure 1 shows the location of Plant No. 4.

Should you have any questions or concerns, please contact our office.

Very truly yours,

H2M architects + engineers



John R. Collins, P.E.

JRC:ws

Enclosures

cc: Board of Commissioners
Supt. Anthony Iannone
Joseph Frank, Esq.
Basil Seggos - NYSDEC Acting Commissioner
Judith A. Enck - EPA Region 2 Regional Administrator
Carrie M. Gallagher - NYSDEC Region 1 Regional Director
Michael Flaherty - NCDPW



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April 18, 2016

Regional Director Carrie M. Gallagher
New York State Department of Environmental Conservation – Region 1
50 Circle Road
Stony Brook, NY 11790-3409

**Re: Hicksville Water District
Plant No. 4 – Newbridge Road
Volatile Organic Compound Detections
H2M Project No: HKWD 16-04**

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John R. Collins, P.E.

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Judith A. Enck - EPA Region 2 Regional Administrator

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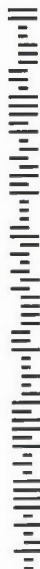
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MS JUDITH ENCK
USEPA REGION 2 ADMIN
ENVIRONMENTAL PROTECTION AGENCY
290 BROADWAY
NEW YORK NY 10007-1866